AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1.   (Currently Amended) A cryptographic communication method for use in cryptographic communication of information through communication lines among plural CPUs, the method comprising:

installing cryptographic algorithms containing <u>a combination of</u> chaos block encryption and chaos stream encryption in each of said plural CPUs<u>;</u> ~~and~~

<u>deriving a cipher key, for carrying out cryptographic communication of information, from a data base; and</u>

carrying out <u>said</u> cryptographic communication of information by ~~combining~~ <u>applying</u> said <u>combination of</u> chaos block encryption and said chaos stream encryption <u>to the information</u>.

2.   (Previously Amended) A cryptographic communication system constructed by connecting plural CPUs through communication lines for carrying out cryptographic communication among the CPUs, wherein

said plural CPUs, after enciphering a plaintext code which is a secrecy object by chaos block encryption, encipher by chaos stream encryption and transmit an obtained cipher code, and

after synchronously restoring a received cipher code by said chaos stream encryption, restore by said chaos block encryption so as to obtain an original plaintext code.

3.   (Previously Amended) A cryptographic communication system constructed by connecting plural CPUs through communication lines for carrying out cryptographic communication among the CPUs, wherein

said plural CPUs, after enciphering a plaintext code which is a secrecy object by chaos block encryption, encipher by chaos stream encryption and transmit an obtained cipher code, and

after synchronously restoring a received cipher code by said chaos stream encryption, verify a block cipher key and after it is certified that it is a legal access, restore by said chaos block encryption so as to obtain an original plaintext code.

4.   (Currently Amended) A chaos cryptographic communication method as claimed in claim 1 wherein respective data bases for a said cipher key, a cipher table and a restoration table in said chaos block encryption are controlled unitarily by providing with an appropriate initial value x(0).

5.   (Previously Amended) A chaos cryptographic communication system as claimed in claim 2 wherein respective data bases for a cipher key, a cipher table and a restoration table in said chaos block encryption are controlled unitarily by providing with an appropriate initial value x(0).

6.   (Previously Amended) A chaos cryptographic communication system as claimed in claim 3 wherein respective data bases for a cipher key, a cipher table and a

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restoration table in said chaos block encryption are controlled unitarily by providing with

an appropriate initial value x(0).